



**Little Optics, Inc.**

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Application Number: 10/684899  
Filing Date: 10-09-2003  
First Named Inventor: Brent E. Little  
Application Title: Integrated Optical Mode Shape Transformer and Method of Fabrication

### Information Disclosure Statement

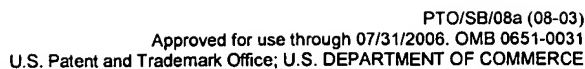
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Attached is a completed Form PTO/SB/08(A&B) and copies of the pertinent parts of the references cited thereon.

Very Respectfully,

Brent E. Little



Substitute for form 1449A/PTO

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Sheet

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of

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Application Number

10/684899

Filing Date

19/09/03

**First Named Inventor**

Brent E. Little

Art Unit

Examiner Name

Attorney Docket Number

10-22

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/684899
		Filing Date	10/09/03
		First Named Inventor	Brent E. Little
		Art Unit	
		Examiner Name	
Sheet 1 of 1	Attorney Docket Number	LO-22	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
BRL		Y. SHANI, "Efficient coupling of a semiconductor laser to an optical fiber by means of a tapered waveguide on silicon", Applied Physics Letters Vol. 55, No. 23, pp. 2389-2391, 1989	
		T. BRENNER et al, "Integrated optical modeshape adapters in InGaAsP/InP for efficient fiber-to-waveguide coupling", IEEE Photonics Tech. Lett. Vol. 5, No. 9, pp. 1053-1056, 1993	
		R. ZENGERLE et al, "Laterally tapered InP-InGaAsP waveguides for low loss chip-to-fiber butt coupling: a comparison of different configurations" IEEE Photonics Tech. Lett., Vol. 7, No. 5, pp. 532-534, 1995	
		B. RANMAN et al, "Improved Laser-Fiber coupling by using a spot-size transformer," IEEE Photonics Technology Lett., Vol. 8, No. 4, pp. 557-559, 1996	
		G. YAWTER et al, "Tapered rib adiabatic following fiber couplers in etched GaAs materials for monolithic spot size transformation," IEEE J. selected topics Quantum Elect. Vol. 3, No. 6, pp. 1361-1371, 1997	
		I. MOERMAN et al, "A review on Fabrication technologies for the monolithic integration of tapers with III-V semiconductor devices," IEEE J. selected topics Quantum Elect., Vol. 3, No. 6, pp. 1308-1320, 1997.	

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